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DEPT OF ENVIRONMENT & NATURAL
RESOURCES - RCRO

APPLICATION FOR PERMIT TO DRILL

Type of work:

☐ Drill New Well ☒ Reenter Well ☐ Drill Directional Well

☐ Other _____

Type of well:

☒ Oil Well ☐ Gas Well ☐ Injection

☐ Other _____

Name and Address of Operator:

Prima Exploration, Inc. 7555 E. Hampden Ave., Ste 505, Denver, CO 80231

Telephone

(303) 755-5681

Name and Address of Surface Owner:

Timothy G & Tracy L Brown P.O. Box 205, Buffalo, SD 57720

Name and Address of Drilling Contractor and Rig Number:

J&R Well Service 791 Land 9, Powell, WY 82435

Surface Location of well: Qtr-Qtr, Sec, Twp, Rge, County, feet from nearest lines of section, and latitude and longitude (if available):

1320' FNL & 660' FEL, Sec 30-22N-4E, NENE

If Directional, top of pay and bottom hole location from nearest lines of section:

TOP 8692' SSW 900' FSL & 1500' FEL, Sec 30-22N-4E, SW 1600' FSL & 2600' FEL, Sec 30-22N-4E

Acres in Spacing (Drilling) Unit

20, 648 Acres

Description of Spacing Unit

Central - South Buffalo Red River "B" Unit, Order # 4-97

Well Name and Number

Thune B # 1-30

Elevation

3060 GL

Field and Pool, or Wildcat

Buffalo

Proposed Depth and Formation

SSW 11,900', SW 11, 750'

Size of Hole

- 1) 13 1/2"
- 2) 7 7/8"
- 3)
- 4)

Size of Casing

- 9 5/8"
- 5 1/2"

Weight per Foot

- 36#
- 15.5, 17, 20#

Depth

- 2064'
- 8947'

Cementing Program (amount, type, additives)

- 1800 sx Howco Lite & 200 sx Class "G"
- 600' sx Class "G" & 270 sx Lite

Depth

Describe Proposed Operations (Clearly State all Pertinent Details, and Give Pertinent Dates, Including Estimated Date of Starting any Proposed Work). Use additional page(s) if appropriate.

ST laterals will be drilled out of existing 5 1/2" csg by cutting a window at least 10' below the Gunton porosity located @ 8534-8576', landing in the Red River "B" porosity @ 8692-8703'. Out of this window the SSW lateral will be drilled about 1400' to the SW to a way point and then to the bottom hole. The rig will be moved off and the well will be produced from the SSW lateral for at least a few months before determining whether to drill SW lateral. Will use closed circulating system. No pit liner will be used.

I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operation.

RICH GUNLIKSON

OPERATIONS MANAGER

Name (Print)

Title

Date

10/18/07

FOR OFFICE USE ONLY

Approved By:

Title: Oil and Gas Supervisor

Permit No. 1850

API No. 40 063 20359.01

Date Issued: November 28, 2007

Conditions, if any, on attached page.